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RAW SEQUENCE LISTING   DATE: 05/29/2002
PATENT APPLICATION: US/09/932,172A TIME: 16:24:14

Input Set : A:\STEM1110-3.ST25.txt
Output Set: N:\CRF3\05292002\I932172A.raw

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 2 <110> APPLICANT: STEM CELL PHARMACEUTICALS, INC.
 3        TWARDZIK, Daniel R.
 4        PERNET, Andre
 5        FELKER, Thomas S.
 6        PASKELL, Stefan
 8 <120> TITLE OF INVENTION: TGF-alpha POLYPEPTIDES, FUNCTIONAL FRAGMENTS AND METHODS OF
USE THEREFOR
10 <130> FILE REFERENCE: STEM1110-3
12 <140> CURRENT APPLICATION NUMBER: US 09/932,172A
13 <141> CURRENT FILING DATE: 2001-08-17
15 <150> PRIOR APPLICATION NUMBER: US 09/641,587
16 <151> PRIOR FILING DATE: 2000-08-17
18 <150> PRIOR APPLICATION NUMBER: US 09/492,935
19 <151> PRIOR FILING DATE: 2000-01-27
21 <150> PRIOR APPLICATION NUMBER: US 09/378,567
22 <151> PRIOR FILING DATE: 1999-08-19
24 <160> NUMBER OF SEQ ID NOS: 7
26 <170> SOFTWARE: PatentIn version 3.0
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 50
30 <212> TYPE: PRT
31 <213> ORGANISM: Homo sapiens
33 <400> SEQUENCE: 1
35 Val Val Ser His Phe Asn Asp Cys Pro Asp Ser His Thr Gln Phe Cys
36 1               5                   10                  15
38 Phe His Gly Thr Cys Arg Phe Leu Val Gln Glu Asp Lys Pro Ala Cys
39             20                  25                  30
41 Val Cys His Ser Gly Tyr Val Gly Ala Arg Cys Glu His Ala Asp Leu
42         35                  40                  45
44 Leu Ala
45     50
47 <210> SEQ ID NO: 2
48 <211> LENGTH: 50
49 <212> TYPE: PRT
50 <213> ORGANISM: Rattus norvegicus
52 <400> SEQUENCE: 2
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55 1               5                   10                  15
57 Phe His Gly Thr Cys Arg Phe Leu Val Gln Glu Glu Lys Pro Ala Cys
58             20                  25                  30
60 Val Cys His Ser Gly Tyr Val Gly Val Arg Cys Glu His Ala Asp Leu
61         35                  40                  45
63 Asp Ala
64     50
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 67 <211> LENGTH: 57
 68 <212> TYPE: PRT
 69 <213> ORGANISM: Artificial sequence
 71 <220> FEATURE:
 72 <223> OTHER INFORMATION: Modified human TGF-alpha sequence
 74 <400> SEQUENCE: 3
 76 Ser Leu Ser Leu Pro Ala Met Val Val Ser His Phe Asn Asp Cys Pro
 77 1               5                   10                  15
 79 Asp Ser His Thr Gln Phe Cys Phe His Gly Thr Cys Arg Phe Leu Val
 80             20                  25                  30
 82 Gln Glu Asp Lys Pro Ala Cys Val Cys His Ser Gly Tyr Val Gly Ala
 83         35                  40                  45
 85 Arg Cys Glu His Ala Asp Leu Leu Ala
 86     50                  55
 88 <210> SEQ ID NO: 4
 89 <211> LENGTH: 11
 90 <212> TYPE: PRT
 91 <213> ORGANISM: Artificial sequence
 93 <220> FEATURE:
 94 <223> OTHER INFORMATION: Modified human TGF-alpha sequence fragment
 96 <220> FEATURE:
 97 <221> NAME/KEY: VARIANT
 98 <222> LOCATION: (1)..(10)
 99 <223> OTHER INFORMATION: Xaa at residue 1, 5, 7 to 9 is independently V, G or A; Xaa
at
100         residue 6 is Y or F; and Xaa at residue 10 is R or K
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105 1               5                   10
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108 <211> LENGTH: 7
109 <212> TYPE: PRT
110 <213> ORGANISM: Artificial sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Modified human TGF-alpha sequence fragment
115 <220> FEATURE:
116 <221> NAME/KEY: VARIANT
117 <222> LOCATION: (1)..(7)
118 <223> OTHER INFORMATION: Xaa at residue 1 and 4 is E or D; Xaa at residue 3 and 7 is
V, G,
119         or A; Xaa at residue 5 is L or I; and Xaa at residue 6 is D or E
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124 Xaa His Xaa Xaa Xaa Xaa Xaa
125 1               5
127 <210> SEQ ID NO: 6
128 <211> LENGTH: 18
129 <212> TYPE: PRT
130 <213> ORGANISM: Artificial sequence
132 <220> FEATURE:
133 <223> OTHER INFORMATION: Modified human TGF-alpha sequence fragment
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135 <220> FEATURE:
136 <221> NAME/KEY: VARIANT
137 <222> LOCATION: (1)..(18)
138 <223> OTHER INFORMATION: Xaa at residue 1, 5, 7-9, 14, 18 is indep. V, G, or A; Xaa
at
139   residue 6 is Y or F; Xaa at residue 10 is R or K; Xaa at residue 12,
140   15 is indep. E or D; Xaa at residue 16 is L or I; Xaa at residue
141   17 is D or E
143 <400> SEQUENCE: 6
145 Xaa Cys His Ser Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa His Xaa Xaa Xaa
146 1   5   10   15
148 Xaa Xaa
151 <210> SEQ ID NO: 7
152 <211> LENGTH: 7
153 <212> TYPE: PRT
154 <213> ORGANISM: Artificial sequence
156 <220> FEATURE:
157 <223> OTHER INFORMATION: Modified human TGF-alpha sequence fragment
159 <220> FEATURE:
160 <221> NAME/KEY: VARIANT
161 <222> LOCATION: (1)..(7)
162 <223> OTHER INFORMATION: Xaa at residue 1 and 2 is indep. V, G, and A; Xaa at residue
7 is
163   K or D
165 <400> SEQUENCE: 7
167 Xaa Xaa Ser His Phe Asn Xaa
168 1   5

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 05/29/2002
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; Xaa Pos. 1,5,6,7,8,9,10
Seq#:5; Xaa Pos. 1,3,4,5,6,7
Seq#:6; Xaa Pos. 1,5,6,7,8,9,10,12,14,15,16,17,18
Seq#:7; Xaa Pos. 1,2,7

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 8